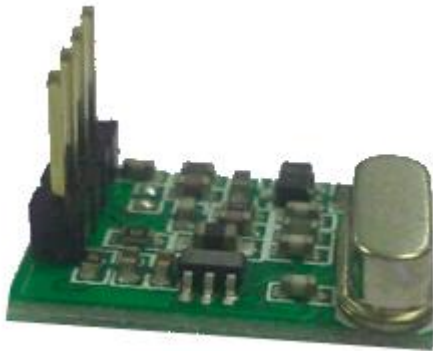


**Type: ASK Transmitter Module**  
**Model: CYT8**

## 1. DESCRIPTION:

The CYT8 is an ASK Hybrid transmitter module. The CYT8 is an ASK transmitter module. The result is excellent performance and it's easy-to-use. The CYT8 is designed specifically for remote-control, car alarm system and etc wireless applications.



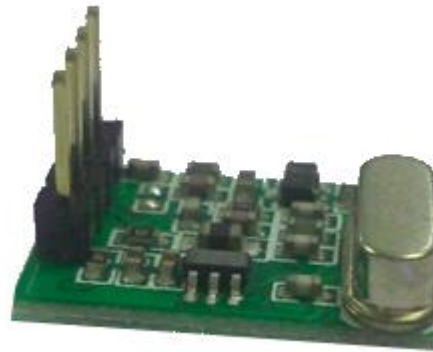
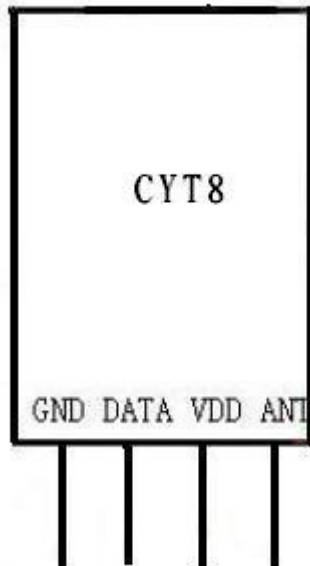
## 2. FEATURES:

- Modulation: ASK/OOK;
- Frequency: 315/433.92 MHz ;
- Operating Voltage: 1.8V ~ 3.6V;
- Output Power: up to 40mW@3.6V;
- Circuit Shape: PLL;
- Current: 25mA/3.6V(average, 1:1 duty cycle);
- Operating temperature: -20°C ~ +70°C ( It can custom to -40~85°C upon requests);
- Frequency tolerance:  $\pm 50$  KHz;
- Bit rate: <3kbps;
- The range can be up to 500m when matching with CY11.

### 3. APPLICATION:

- Wireless Security and Alarm Systems;
- Home Automation;
- Keyless Entry;
- Wireless Dish Order Machine;
- Wireless Calling System;
- Remote Control System of Gas Station;

### 4. Pin definition:



**Please note:** CYT8 is come with standard 4 Vertical PINs as the picture showed in the right hand side. Please notify us if you would like horizontal PIN.

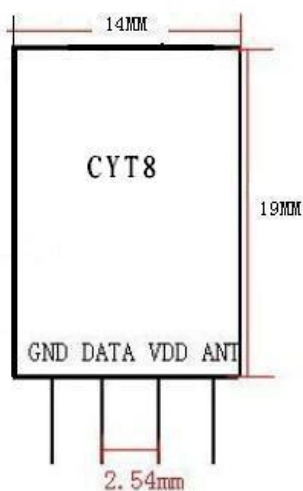
Pin	Name	Means
1	GND	GND
2	DATA	Data connected to MCU
3	VDD	VDD
4	ANT	Antenna

## 5. ELECTRICAL CHARACTERISTICS:

Condition: Ta=25°C

Parameters	Signs	condition	Ref. Value			Unit
			Min.	Typ.	Max.	
Working frequency	Fc			315/433.92		MHz
Modulation			ASK			
Output Power		3.6V/50Ω		17dBm		dBm
Data-rate				2.4K		Hz
Frequency Tolerate	Fc			±50K		Hz
Current	IRC		18		26	mA
Working Voltage	VCC		1.8	3.0	3.6	V
Working Temperature	TC		-20		+70	°C

## 6. MECHANICAL SIZE: (unit: mm)



**Figure1 CYT8 Dimension**



## 7. CAUTION

--Transmitting time: <10s (less than 10 seconds for each emission).

--Power off when CYT8 is not transmitting. It is suggested to add an electric switch circuit to control this.

---It's a high output power transmitting module, it's normal that the heat is higher than standard modules.

**For more information and assistance, please kindly contact us as follows:**

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